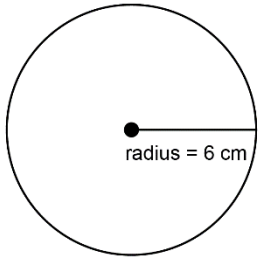
Shape and Space

Lesson 1 Assessment
Exploring Circles

Exploring Circles			
Understands the relationship between radius and diameter of a circle If the diameter of a circle is 12 cm, what is its radius? Since the diameter is double the radius, then the radius is 12 ÷ 2, or 6 cm.	Understands relationships between radius, diameter, and circumference of a circle If the radius of a circle is 6 cm, what is its circumference? I know that the circumference of a circle is about “6 and a bit” times its radius. So, the circumference is “6 and a bit” × 6, or about 37 cm.	Constructs circles given the radius, diameter, or circumference Draw a circle with a diameter of 12 cm. The radius is 12 ÷ 2, or 6 cm. I used a ruler to set the compass to 6 cm. Then, drew the circle.  	Uses relationships between circle measures to solve problems Determine the circumference of a pizza with a diameter of 30 cm. I used the relationship circumference = diameter × “3 and a bit” to get a circumference of approximately 91 cm.
Observations/Documentation			